

Aug	Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
Treated Water								
Inflow ML		115,8	139	32,1408	75			
pH (at 25°C)	≥5.00 - ≤9.70	7,11	7,65	7,16	7,19	6,55	5,00	5,00
Conductivity (at 25°C)	≤170	48,6	75,8	12,8	54,7	5,81	5,00	5,00
Turbidity (NTU)	≤1.0 Operational						5,00	5,00
	≤5.0 -Aeshetic	0,36	0,75	0,65	0,35	1,1	5,00	5,00
Colour (mg/L as Pt)	≤15	<10	<10	<10	<10	<10	5,00	5,00
Aluminium (µg/L as Al)	≤300	<50	<50	<50	<50	<50	5,00	5,00
Iron (µg/L as Fe)	≤300 Aesthetic ≤2000 Chronic Health	<20	<20	<20	<20	<20	5,00	5,00
Free Chlorine (mg/L)	>0.0 - ≤5	1,24	0,11	0,11	1,35	0,73	5,00	5,00
E.Coli (cnt/100ml)	Not Detected	4	0	0	0	0	5,00	5,00
Total Coliform Bacteria	≤10	0	1	0	9	0	5,00	5,00
							10,00	10,00

Parameters	Unit		2021/08/23S				Requirement Measurement (Irrigation 500m³)	Mc-Gregor	Total Samples	Total Samples Complying
			Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)			None	Faulty	Faulty	6.179109		0,20807		
pH	at 25°C	5.5 - 9.5	7,67	7,33	7,3	7,62	6.00 - 9.00	7,59	5	5
Conductivity	mS/m	>70.0 - <150	149	130	139	140	<200	141	5	5
COD Unfiltered	mg/L	>75.0	1018	2360	1240	851	<400	107	0	0
COD Filtered	mg/L	>75.0 After Algae Removal	60,0	70,0	35,0	102,0	N/A		4	3
Ammonia as N	mg/L	6.0 max	17,9	4	2,18	18,9	N/A		4	2
Nitrate as N	mg/L	15.0 max	7,1	0,44	2,23	1,23	N/A		4	4
Nitrite as N	mg/L	15.0 max					N/A		0	0
Free Chlorine	mg/L	<0.25	0,73	0,3	1	0,51	N/A		0	0
TSS	mg/L	25	8	<2	<2	33	N/A		4	4
Faecal Coliforms	Org/100 ml	1000 max	140	980	1	11200	<100 000	700	5	4
E Coli	Org/100 ml	1000,0					N/A		0	
								100%	87,10	
								Total	31	27

Comments	
Ashton	The reason for NH3 failure, we do not desludge enough on the PST1 the drive brigde went for repairs then underflow has an impact on the overflow. All dry beds are wet which means waiting from the aeration basin is inadequate, all the surface
Bonnievale	Flow meter is faulty needs calibration.
Montagu	The meter is faulty, the figures are way out of range I will investigate.
Roberstson	Both RAS pump 1&2 were out of commission that affects nitrification process hence COD and NH3 failed. Faecal Coliform failed because Cl2 was out of stock so we could not disinfect the final effluent. The plant is currently operating beyond the design specification however inadequate wasting has a contributing factor on the TSS failure. We try to fix the Press machine so that we can waste adequately, currently the dry beds are full and wet